

The Science of the Total Environment 163 (1995) 229

## Author index

## Volume 163 (1995)

Abrahamsen, G. 163, 39 Ahmad, M. 163, 221 Angerer, J. 163, 147, 195 Arnesen, A.K.M. 163, 39

Berglind, L. 163, 93 Boogaard, P.J. 163, 203

Carrier, G. 163, 179

Dodd, C. 163, 179

Gitelman, H.J. 163, 129 Göen, Th. 163, 195 Gündel, J. 163, 195

Hansen, Å.M. 163, 211 Håbjørg, A. 163, 25 Horntvedt, R. 163, 35

Ingólfsson, A. 163, 61

Knutzen, J. 163, 93, 107 Krogstad, T. 163, 39 Kudravsjeva, L. 163, 55

Lehnert, G. 163, 147 Letzel, S. 163, 147 Levin, J.O. 163, 165, 169

Makovská, B. 163, 11 Martel, L. 163, 191 Moiseenko, T. 163, 55 Molin Christensen, J. 163, 211

Naes, K. 163, 93 Narayanaswamy, R. 163, 221

O'Donnell, T.V. 163, 137

Poirier, M.C. 163, 153

Rhén, M. 163, 169

Rodushkin, I. 163, 55

Sandvik, G. 163, 39 Schaller, K.-H. 163, 195 Schmid, K. 163, 147 Schoket, B. 163, 153 Sherson, D. 163, 211 Sikström, E. 163, 169 Steinnes, E. 163, 11 Sturm, G. 163, 147 Stuve, G. 163, 123 Svavarsson, J. 163, 61

Viau, C. 163, 179, 187, 191 Vikøren, T. 163, 123 Vike, E. 163, 25 Vincent, J.H. 163, 3 Vincze, I. 163, 153 Vyskočil, A. 163, 179, 187, 191 van Sittert, N.J. 163, 203





The Science of the Total Environment 163 (1995) 231-234

## Subject index

## Volume 163 (1995)

Aerosol exposure: Personal sampler: Inhalable: Respirable: Aluminium 163, 3

Aluminium; Aerosol exposure; Personal sampler; Inhalable; Respirable 163, 3

**Aluminium**; DNA adduct; <sup>32</sup>P-postlabelling; ELISA; Human; Biomonitoring; Blood; Lymphocyte; Polycyclic aromatic hydrocarbon **163**, 153

Aluminium: Osteodystrophy: Bone mineral content 163, 47

Aluminium; Species; Bioaccumulation 163, 55

Aluminium determination; Eriochrome cyanine R (ECR); Optical aluminium sensor 163, 221

Aluminium industry; Asthma; Occupational exposure; Respiratory protection; Chronic bronchitis; Chronic obstructive pulmonary disease 163, 137

Aluminium smelter; 1-Hydroxypyrene; Urine; Polycyclic aromatic hydrocarbon; Road-paving; Coke oven; Office workers; Smoking 163, 169

Aluminium smelter; Fluoride pollution; Soil; Soil solution; Norway 163, 39

Aluminium smelter; Fluoride; Leaf injury; Sorbus aucuparia; Pinus sylvestris; Betula pubescens; Salix caprea 163, 25

Aluminium smelter; Shore communities; Subtidal communities 163, 61

Aluminium smelter discharge; PAH; Mytilus edulis; Modiolus modiolus; Sediments 163, 93

Aluminium smelters; Bone fluorine concentrations; Branta canadensis; Fluoride pollution 163, 123

**Aluminium smelters**; PAH; Fluoride; pH; Seawater scrubbers **163**, 107

Aluminum excretion; Aluminum exposure; Occupational exposure 163, 129

Aluminum exposure: Aluminum excretion: Occupational exposure 163, 129

Asthma; Aluminium industry; Occupational exposure; Respiratory protection; Chronic bronchitis; Chronic obstructive pulmonary disease 163, 137

Betula pubescens; Fluoride; Leaf injury; Aluminium smelter; Sorbus aucuparia; Pinus sylvestris; Salix caprea 163, 25

Bioaccumulation; Aluminium; Species 163, 55

**Bioindicators**; Forest trees; Phytophagous insects; Roe deer; Contaminants 163, 11

**Biological monitoring**: 1-Hydroxypyrene; PAH; Occupational exposure; Environmental exposure; Reference values; Smoking 163, 195

**Biological monitoring**; Reference value; α-Naphthol; I-Hydroxypyrene **163**, 211

**Biomarker**; Urinary 1-hydroxypyrene; Polycyclic aromatic hydrocarbons; Petrochemical industry; Dermal uptake 163, 203

**Biomonitoring**; DNA adduct; <sup>32</sup>P-postlabelling; ELISA; Human; Aluminium; Blood; Lymphocyte; Polycyclic aromatic hydrocarbon **163**, 153

**Blood**; DNA adduct; <sup>32</sup>P-postlabelling; ELISA; Human; Biomonitoring; Aluminium; Lymphocyte; Polycyclic aromatic hydrocarbon **163**, 153

Bone fluorine concentrations; *Branta canadensis*; Fluoride pollution; Aluminium smelters 163, 123

Bone mineral content; Aluminium; Osteodystrophy 163, 147

Branta canadensis; Bone fluorine concentrations; Fluoride pollution; Aluminium smelters 163, 123

Chronic bronchitis; Asthma; Aluminium industry; Occupational exposure: Respiratory protection; Chronic obstructive pulmonary disease 163, 137

Chronic obstructive pulmonary disease: Asthma; Aluminium industry; Occupational exposure; Respiratory protection; Chronic bronchitis 163, 137

Coke oven: 1-Hydroxypyrene; Urine: Polycyclic aromatic hydrocarbon; Aluminium smelter; Road-paving: Office workers; Smoking 163, 169

Conifers; Fluoride accumulation; Critical levels/load 163, 35

Contaminants; Forest trees; Phytophagous insects; Roe deer; Bioindicators 163, 11

Critical levels/load; Fluoride accumulation; Conifers 163, 35

Dermal uptake; Urinary 1-hydroxypyrene; Biomarker; Polycyclic aromatic hydrocarbons; Petrochemical industry 163, 203

DNA adduct; <sup>32</sup>P-postlabelling; ELISA; Human; Biomonitoring; Aluminium; Blood; Lymphocyte; Polycyclic aromatic hydrocarbon 163, 153

ELISA; DNA adduct; <sup>32</sup>P-postlabelling; Human; Biomonitoring; Aluminium; Blood; Lymphocyte; Polycyclic aromatic hydrocarbon 163, 153

Environmental exposure; 1-Hydroxypyrene; PAH; Occupational exposure; Biological monitoring; Reference values; Smoking 163, 195

Eriochrome cyanine R (ECR); Aluminium determination; Optical aluminium sensor 163, 221

Fluoride; Leaf injury; Aluminium smelter; Sorbus aucuparia; Pinus sylvestris; Betula pubescens; Salix caprea 163, 25

Fluoride; PAH; pH; Aluminium smelters; Seawater scrubbers 163, 107

Fluoride accumulation; Conifers; Critical levels/load 163, 35

Fluoride pollution; Aluminium smelter; Soil; Soil solution; Norway 163, 39

Fluoride pollution; Bone fluorine concentrations; Branta canadensis; Aluminium smelters 163, 123

Forest trees; Phytophagous insects; Roe deer; Bioindicators; Contaminants 163, 11

**Human**; DNA adduct; <sup>32</sup>P-postlabelling; ELISA; Biomonitoring; Aluminium; Blood; Lymphocyte; Polycyclic aromatic hydrocarbon **163**, 153

1-Hydropyroxene; Two-compartment toxicokinetic model; Intercompatmental exchange;  $k_{abs}$ ; Metabolism 163, 179

1-Hydroxypyrene; PAH; Occupational exposure; Environmental exposure; Biological monitoring; Reference values; Smoking 163, 195

1-Hydroxypyrene; Reference value;  $\alpha$ -Naphthol; Biological monitoring 163, 211

1-Hydroxypyrene; urinary excretion; PAH exposure 163, 191

1-Hydroxypyrene; urinary excretion; Pyrene exposure; PAH exposure 163, 187

1-Hydroxypyrene; Urine; Polycyclic aromatic hydrocarbon; Aluminium smelter; Road-paving; Coke oven; Office workers; Smoking 163, 169

Inhalable; Aerosol exposure; Personal sampler; Respirable; Aluminium 163, 3

Intercompartmental exchange; Two-compartment toxicokinetic model;  $k_{abs}$ ; Metabolism; 1-Hydropyroxene 163, 179

k<sub>abs</sub>: Two-compartment toxicokinetic model; Intercompartmental exchange; Metabolism; 1-Hydropyroxene 163, 179

Leaf injury; Fluoride; Aluminium smelter; Sorbus aucuparia; Pinus sylvestris; Betula pubescens; Salix caprea 163, 25

**Lymphocyte**; DNA adduct; <sup>32</sup>P-postlabelling; ELISA; Human; Biomonitoring; Aluminium; Blood; Polycyclic aromatic hydrocarbon **163**, 153

**Metabolism**; Two-compartment toxicokinetic model; Intercompartmental exchange;  $k_{abs}$ ; 1-Hydropyroxene 163, 179

Modiolus modiolus; Aluminium smelter discharge; PAH; Mytilus edulis; Sediments 163, 93

Mytilus edulis; Aluminium smelter discharge; PAH; Modiolus modiolus; Sediments 163, 93

α-Naphthol; Reference value; 1-Hydroxypyrene; Biological monitoring '163, 211

Norway: Aluminium smelter; Fluoride pollution; Soil; Soil solution 163, 39

Occupational exposure; 1-Hydroxypyrene; PAH; Environmental exposure; Biological monitoring; Reference values; Smoking 163, 195

Occupational exposure; Aluminum exposure; Aluminum excretion 163, 129

Occupational exposure; Asthma; Aluminium industry; Respiratory protection; Chronic bronchitis; Chronic obstructive pulmonary disease 163, 137

Office workers; 1-Hydroxypyrene; Urine; Polycyclic aromatic hydrocarbon; Aluminium smelter; Road-paving; Coke oven; Smoking 163, 169

Optical aluminium sensor; Aluminium determination; Eriochrome cyanine R (ECR) 163, 221

Osteodystrophy; Aluminium; Bone mineral content 163, 147

<sup>32</sup>P-postlabelling; DNA adduct; ELISA; Human; Biomonitoring; Aluminium; Blood; Lymphocyte; Polycyclic aromatic hydrocarbon 163, 153

PAH; 1-Hydroxypyrene; Occupational-exposure; Environmental exposure; Biological monitoring; Reference values; Smoking 163, 195

PAH; Aluminium smelter discharge; Mytilus edulis; Modiolus modiolus; Sediments 163, 93

PAH; Fluoride; pH; Aluminium smelters; Seawater scrubbers 163, 107

PAH exposure; 1-Hydroxypyrene; urinary excretion 163, 191

PAH exposure: 1-Hydroxypyrene; urinary excretion; Pyrene exposure 163, 187

Personal sampler; Aerosol exposure; Inhalable; Respirable; Aluminium 163, 3

Petrochemical industry; Urinary 1-hydroxypyrene; Biomarker; Polycyclic aromatic hydrocarbons; Dermal uptake 163, 203

pH; PAH; Fluoride; Aluminium smelters; Seawater scrubbers 163, 107

Phytophagous insects; Forest trees; Roe deer; Bioindicators; Contaminants 163, 11

Pinus sylvestris; Fluoride; Leaf injury; Aluminium smelter; Sorbus aucuparia; Betula pubescens; Salix caprea 163, 25

Polycyclic aromatic hydrocarbon; 1-Hydroxypyrene; Urine; Aluminium smelter; Road-paving; Coke oven; Office workers; Smoking 163, 169

Polycyclic aromatic hydrocarbon; DNA adduct; <sup>32</sup>P-post-labelling; ELISA; Human; Biomonitoring; Aluminium; Blood; Lymphocyte 163, 153

Polycyclic aromatic hydrocarbons; Urinary 1-hydroxypyrene; Biomarker; Petrochemical industry; Dermal uptake 163, 203

Pyrene exposure; 1-Hydroxypyrene; urinary excretion; PAH exposure 163, 187

Reference value; α-Naphthol; 1-Hydroxypyrene; Biological monitoring 163, 211

Reference values; 1-Hydroxypyrene; PAH; Occupational exposure; Environmental exposure; Biological monitoring; Smoking 163, 195

Respirable; Aerosol exposure; Personal sampler; Inhalable; Aluminium 163, 3

Respiratory protection; Asthma; Aluminium industry; Occupational exposure; Chronic bronchitis; Chronic obstructive pulmonary disease 163, 137

**Road-paving**; 1-Hydroxypyrene; Urine; Polycyclic aromatic hydrocarbon; Aluminium smelter; Coke oven; Office workers; Smoking 163, 169

Roe deer; Forest trees; Phytophagous insects; Bioindicators; Contaminants 163, 11

Salix caprea; Fluoride; Leaf injury; Aluminium smelter; Sorbus aucuparia; Pinus sylvestris; Betula pubescens 163, 25

Seawater scrubbers; PAH; Fluoride; pH; Aluminium smelters 163, 107

Sediments; Aluminium smelter discharge; PAH; Mytilus edulis; Modiolus modiolus 163, 93

Shore communities; Aluminium smelter; Subtidal communities 163, 61

Smoking: 1-Hydroxypyrene: PAH; Occupational exposure; Environmental exposure; Biological monitoring: Reference values 163, 195

Smoking; 1-Hydroxypyrene; Urine; Polycyclic aromatic hydrocarbon; Aluminium smelter; Road-paving; Coke oven; Office workers 163, 169

Soil; Aluminium smelter; Fluoride pollution; Soil solution; Norway 163, 39

Soil solution; Aluminium smelter; Fluoride pollution; Soil; Norway 163, 39

Sorbus aucuparia; Fluoride; Leaf injury; Aluminium smelter; Pinus sylvestris; Betula pubescens; Salix caprea 163, 25

Species; Aluminium; Bioaccumulation 163, 55

Subtidal communities; Aluminium smelter; Shore communities 163, 61

Two-compartment toxicokinetic model; Intercompartmental exchange;  $k_{abs}$ ; Metabolism; 1-Hydropyroxene 163, 179

Urinary 1-hydroxypyrene; Biomarker; Polycyclic aromatic hydrocarbons; Petrochemical industry; Dermal uptake 163, 203

Urinary excretion; 1-Hydroxypyrene; PAH exposure 163, 191

Urinary excretion; 1-Hydroxypyrene; Pyrene exposure; PAH exposure 163, 187

Urine: 1-Hydroxypyrene: Polycyclic aromatic hydrocarbon; Aluminium smelter; Road-paving; Coke oven; Office workers; Smoking 163, 169